1

SEQUENCE LISTING

<110>   INTRO

<120>   A novel HMGCoA reductase inhibitor

<130>   FP2262

<160>   18

<170>   PatentIn version 3.2

<210>   1
<211>   335
<212>   DNA
<213>   JCH2

<220>
<221>   CDS
<222>   (22)..(303)

<400>   1

```
ggtacatttc taaaaaaagt t atg gtg aaa atg caa gtt att ttc att gct       51
                         Met Val Lys Met Gln Val Ile Phe Ile Ala
                         1               5                   10


ttc atc gct gta ata gca tgt agc atg gta tat gga gat agt ctt tcc       99
Phe Ile Ala Val Ile Ala Cys Ser Met Val Tyr Gly Asp Ser Leu Ser
                15              20              25


cct tgg aat gaa ggc gat acg tat tac ggt tgc cag aga caa acg gat      147
Pro Trp Asn Glu Gly Asp Thr Tyr Tyr Gly Cys Gln Arg Gln Thr Asp
            30              35              40


gaa ttc tgt aat aaa att tgt aag ctg cac tta gca agc ggt gga agc      195
Glu Phe Cys Asn Lys Ile Cys Lys Leu His Leu Ala Ser Gly Gly Ser
        45              50              55


tgt cag caa ccc gct cct ttt gtg aaa tta tgc aca tgc caa ggt att      243
Cys Gln Gln Pro Ala Pro Phe Val Lys Leu Cys Thr Cys Gln Gly Ile
    60              65              70


gat tac gac aac agt ttc ttt ttt gga gca ttg gaa aaa caa tgt cct      291
Asp Tyr Asp Asn Ser Phe Phe Phe Gly Ala Leu Glu Lys Gln Cys Pro
75              80              85                  90


aaa tta aga gag tagccgaaag atttgcattt atcaatgcta tt                 335
Lys Leu Arg Glu
```


<210>   2
<211>   94
<212>   PRT
<213>   JCH2

<400> 2

Met Val Lys Met Gln Val Ile Phe Ile Ala Phe Ile Ala Val Ile Ala
1   5   10   15

Cys Ser Met Val Tyr Gly Asp Ser Leu Ser Pro Trp Asn Glu Gly Asp
            20   25   30

Thr Tyr Tyr Gly Cys Gln Arg Gln Thr Asp Glu Phe Cys Asn Lys Ile
        35   40   45

Cys Lys Leu His Leu Ala Ser Gly Gly Ser Cys Gln Gln Pro Ala Pro
    50   55   60

Phe Val Lys Leu Cys Thr Cys Gln Gly Ile Asp Tyr Asp Asn Ser Phe
65   70   75   80

Phe Phe Gly Ala Leu Glu Lys Gln Cys Pro Lys Leu Arg Glu
                85   90

<210> 3
<211> 72
<212> PRT
<213> Deduced amino acid sequence of JCH2

<400> 3

Asp Ser Leu Ser Pro Trp Asn Glu Gly Asp Thr Tyr Tyr Gly Cys Gln
1   5   10   15

Arg Gln Thr Asp Glu Phe Cys Asn Lys Ile Cys Lys Leu His Leu Ala
            20   25   30

Ser Gly Gly Ser Cys Gln Gln Pro Ala Pro Phe Val Lys Leu Cys Thr
        35   40   45

Cys Gln Gly Ile Asp Tyr Asp Asn Ser Phe Phe Phe Gly Ala Leu Glu
    50   55   60

Lys Gln Cys Pro Lys Leu Arg Glu
65   70

<210> 4
<211> 30
<212> PRT
<213> N-terminal sequence obtained from amino acid sequence of JCH2

<400> 4

Asp Ser Leu Ser Pro Trp Asn Glu Gly Asp Thr Tyr Tyr Gly Cys Gln
1   5   10   15

Arg Gln Thr Asp Glu Phe Cys Asn Lys Ile Cys Lys Leu His
            20   25   30

<210> 5
<211> 14
<212> PRT
<213> Peptide 1 from RP-HPLC of JCH2 deduced amino acid sequence

<400> 5

Gln Pro Ala Pro Phe Val Lys Leu Cys Thr Cys Gln Gly Ile
1   5   10

<210> 6
<211> 19
<212> PRT
<213> Peptide 2 from RP-HPLC of JCH2 deduced amino acid sequence

<400> 6

Lys Leu His Leu Ala Ser Gly Gly Ser Cys Gln Gln Pro Ala Pro Phe
1   5   10   15

Val Lys Leu

<210> 7
<211> 22
<212> PRT
<213> Peptide 3 from RP-HPLC of JCH2 deduced amino acid sequence

<400> 7

Pro Ala Pro Phe Val Lys Leu Cys Thr Cys Gln Gly Ile Asp Tyr Asp
1   5   10   15

Asn Ser Phe Phe Phe Gly
                20

<210> 8
<211> 20
<212> PRT
<213> Peptide 4 from RP-HPLC of JCH2 deduced amino acid sequence

4

<400> 8

Gln Gly Ile Asp Tyr Asp Asn Ser Phe Phe Phe Gly Ala Leu Glu Lys
1   5   10   15

Gln Cys Pro Lys
            20

<210> 9
<211> 21
<212> PRT
<213> Peptide 5 from RP-HPLC of JCH2 deduced amino acid sequence

<400> 9

Gly Cys Gln Arg Gln Thr Asp Glu Phe Cys Asn Lys Ile Cys Lys Leu
1   5   10   15

His Leu Ala Ser Gly
            20

<210> 10
<211> 14
<212> PRT
<213> Peptide 6 from RP-HPLC of JCH2 deduced amino acid sequence

<400> 10

Asp Ser Leu Ser Pro Trp Asn Glu Gly Asp Thr Tyr Tyr Gly
1   5   10

<210> 11
<211> 15
<212> PRT
<213> Peptide 7 from RP-HPLC of JCH2 deduced amino acid sequence

<400> 11

Leu Ser Pro Trp Asn Glu Gly Asp Thr Tyr Tyr Gly Cys Gln Arg
1   5   10   15

<210> 12
<211> 7
<212> PRT
<213> Peptide 8 from RP-HPLC of JCH2 deduced amino acid sequence

<400> 12

Ser Pro Trp Asn Glu Gly Asp
1   5

```
<210>   13
<211>   6
<212>   PRT
<213>   Peptide 9 from RP-HPLC of JCH2 deduced amino acid sequence

<400>   13

Gly Asp Thr Tyr Tyr Gly
1                   5


<210>   14
<211>   23
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   Gene specific primer forward 1


<220>
<221>   misc_feature
<222>   (3)..(3)
<223>   y is t or c


<220>
<221>   misc_feature
<222>   (6)..(6)
<223>   y is t or c


<220>
<221>   misc_feature
<222>   (9)..(9)
<223>   n is a, c, g, or t


<220>
<221>   misc_feature
<222>   (12)..(12)
<223>   n is a, c, g, or t


<220>
<221>   misc_feature
<222>   (15)..(15)
<223>   y is t or c


<220>
<221>   misc_feature
<222>   (21)..(21)
<223>   y is t or c


<400>   14
gayagyctnt cnccytggaa yga                                          23


<210>   15
<211>   22
```

6

```
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Universal adaptor primer as reverse primer, AP1

<400>  15
gtaatacgac tcactatagg gc                                    22


<210>  16
<211>  21
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Gene specific reverse primer

<400>  16
attccaaggg gaaagactat c                                     21


<210>  17
<211>  24
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Gene specific forward primer

<400>  17
ggtacatttc taaaaaagt tatg                                   24


<210>  18
<211>  24
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Gene specific reverse primer

<400>  18
aatagcattg attaaatgca aatc                                  24
```